REFRENCE :

1. Bharathi K, Swarna L G, Arifa Begum SK and Prasad KVSRG.,**(2008)**, Synthesis and antioxidant activity of substituted 1-acetyl-5-(substituted phenyl)-3-(aminophenyl)-2-pyrazolines and 5-(substituted phenyl)-3-(aminophenyl)isoxazolines. *J Pharm Research*; **7** , 79-82.

2. Patel.Chirag.K, Rami.C.S.,Panigrahi.Band Patel.C.N.,**(2010)**,Synthesis and biological evalution of (4-substituted benzyledene)-3-methyl-1-(substituted Phenyl sulphonyl and substituted benzoyl)-1H-Pyrazol-5(4H)-one as anti-inflammatory agent., *J.Chem.Pharm.Res*.,**2(1)**, 73-78

3. Kumar A, Archana, VK, Chandra R.,**(2002)**, Synthesis of potential quinazolinonyl pyrazolines and quinazolinyl isoxazolines as anticonvulsant agents. *Ind J Chem.* **41B**,2371-75.

4. Shah VH,Mehta DS,Purohit DM. **(1997)**,Synthesis and biological screening of some new 2-pyrazolines, cyanopyridines and benzodiazepines.*Ind J Het Chem*.,**6**, 271-76.

5. Abdolmajid Riahi, Martina Wurster, Michael Lalk, Ulrike Lindequist, Peter Langer*(**2009)**, "Synthesis and Antimicrobial Activity of 4-Hydroxy-4-(pyridyl)alk-3-en-2-ones" *Bioorg. Med. Chem.* , ***17,*** 4323-4326.

6. Kumar Rakesh, Malik sakshi, Chandra Ramesh., **(2009)**,Synthesis and antimicrobial activity of 4-[5-chloro-3-methyl-1-phenyl-1H-pyrazol-4-yl]-dihydropyridines and 4-[5-chloro-3-methyl-1-phenyl-1H-pyrazol-4-yl]-3,4-dihydropyrimidin-2-ones. *Indian J Chem*, **48B**, 718-724.

7. D.Sushma, Archana, S.Sukhjinder, S.Munirajam, K.Nitin.,(**2007),**Synthesis and anti inflammatory activity of some 2-amino pyridines.*Indian J Heterocyclic Chem*,,**16**,411-412.

8. Ashraf HA, Ibrahim MT, Khaled MA, Lehmann J, Tinsley NH, Gary BD,**(2009)**,Design, synthesis and biological evaluation of novel pyridine derivatives as anticancer agents and phosphodiesterase 3 inhibitors. *Bioorg & med chem.*,**17,**5974-5982.

9. Shashikant RP, Purohit SS, Rasal VP, Mallya S, Marihal SC, Khade AB, **(2008)**,Synthesis and pharmacological screening of some 1,4-dihydropyridine and their derivatives for anticonvulsant activity. *Indian J Chem,* **47B**,626-629.

10. Pattan SR, Bhat AR, Taranalli AD, Purohit SS, Reddy VVK. **(2005)**Synthesis of new 1,4-dihydropyridine derivatives as antihypertensive agents. *Indian J Heterocyclic Chem,*,**15,** 65-66.

11. Trivedi D. K. and Desai K.R., **(2005)**, Synthesis and biological evaluation of the1-[4'-imino (substituted phenyl)phenyl]-2-phenyl-4-(4''-N:N-dimethylamino benzylidene)-imidazol-5-one.,*Oriental J. Chem.*,**21(2)**,345

12. Khalafallah, A. K.; Hassan, M. E.; Solesman, H. A. **,(1992)**, Synthesis and biological studies on some spiro Schiff base derivatives., *J. Indian Chem. Soc.*, **69(6)**, 318-20

13. Sharma P, Indapukar P Mandloi A., **(1998)**, Antibacterial screening of N-arylamino-3-chloro-4(4'-dimethyl amino) phenyl-azetidin-2-ones.*Indian J. pharm sci.,* **60(3),** 128-131.

14. Parikh KA, Oza PS, Bhatt KR , Parikh AR.,**(2000)**, A synthesis of some 2-azetidinones as potential antitubercular agents. *Indian J Chem*., **39B**, 716-718.

15. Shukla DK, Srivastava SD.,**(2008)**, Synthesis of some new 5-[2-{(1, 2, 3-benzotriazole)-1-yl-methyl}-1'-(4'-substituted aryl-3'-chloro-2'oxo azetidine)]-amino-1, 3, 4-thiadiazoles: Antifungal and antibacterial agents. *Indian JChem.*, **47B**, 463-469.

16. Srivastava SK, Srivastava S, Srivastava SD.,**(1999)**, Synthesis of new carbazolyl- thiadiazol-2-oxo-azetidinones: Antimicrobial, Anticonvulsant and Anti-inflammatory agents. *Indian J Chem.*,**38B**, 183-187

17. Karali N. and Gursoy A., **(1994)**, Synthesis and anti convulsant activity of some new thiosemicarbazone and 4-thiazolidene derivatives bearing as a isatin moiety. *Farmaco.,* **49**, 819.

18. Hui-Ling Liu, Zongcheng Li,and Thorleif Anthonsen.,**(2000)**, Synthesis and Fungicidal Activity of 2-Imino-3-(4-arylthiazol-2-yl)-thiazolidin-4-ones and Their 5-Arylidene Derivatives., *molecules,* **5**, 1055-1061

19. Goel B., Tilak R. and Tyagi R., **(1999)**, ChemInform Abstract: 2-Substituted-3-(4-bromo-2-carboxyphenyl)-5-methyl-4-thiazolidinones as Potential Antiinflammatory Agents.,*Eur.J. Med. Chem.,* **34**, 265

20. Diurno M., Mazzoni O. and Correal G., **(1999)**, Synthesis and structure–activity relationships of 2-(substituted phenyl)-3-[3-(N,N-dimethylamino)propyl]-1,3-thiazolidin-4-ones acting as H1-histamine antagonists *Farmaco,* **54**, 579

21. Randeep Kaur Sandhar, J.R. Sharma and M.R.Manrao, **(2008)**, Synthesis and Fungitoxicity of Aldimines (III) and 4-Thiazolidinones (IV) Derived from 4-Bromoaniline.,*J Indian Chem. Soc.,* **85**, 220

22. Kcukguzel S.G., Oruc E.E., Rollas S., Sahin F. and Ozbek A., **(2002)**, Synthesis, characterisation and biological activity of novel 4-thiazolidinones, 1,3,4-oxadiazoles and some related compounds. *Eur. J. Med Chem.,* **37** ,197

23. Bhaskar.V.H, P.Pavan Kumar and Kumar.M.,**(2007)**, Synthesis and antibacterial evaluation of some 4-substituted -5, 6, 7, 8 -tetrahydro [1] benzothieno [2, 3-d] pyrimidine derivative. *Indian J Heterocycl. Chem*., **16**, 309-310.

24. Bahekar Sushil Kumar.S., Shinde Devanand.B.,**(2004)**, Synthesis and anti-inflammatory activity of some [4, 6-(4-5 substituted aryl)-2-thioxo-1, 2, 3, 4-tetrahydro-pyrimidine-5-yl] acetic acid derivatives., *Bioorg. Med. Chem. Lett*.,**14(7)**, 1733-1736.

25. Nargues.S.Habib, Raafat Soliman, Alaa A. El-Tombary, Soad A. El-Hawash, and Omaima G. Shaaban.**,(2007)**,Synthesis of Thiazolo[4,5-d]pyrimidine Derivatives as Potential Antimicrobial Agents. *Arc Pharm Res*.,**30(12)**, 1511-1520.

26. Havaldar H.Freddy, Navinchandra K.Khatri., **(2007)**, Synthesis and biological activity of 2-(3-carboxy phenyl)-5-(4-substituted phenyl)-1- acetyl-2-pyrazolines . *Asian J Chem;* **19** : 5093-97

27. Parmar PJ, Rajput SI, Doshi AG.,**(2005)**, Synthesis of some pyrazolines and its dreivtives. *Asian J Chem.,* **17(4)**, 2539-42.

28. Thore SN.,**(2005)**,Synthesis and antimicrobial study of triazolo pyrazolines and isoxazoline derivatives. *Asian J Chem.,* **17(4)** , 2463-66

29. Anjani Solankee,Patel J.,**(2004)**,Synthesis of chalcones,pyrazolines,amino pyrimidines and pyrimidinsse thiones as antibacterial agent.,*Ind J Chem.,* **43B**, 1580-84.

30. Katsuhiro K, Kimiko H, Haruhisa S, Takeshi M.,**(1986)**, A new pyridine synthesis starting from α,β-unsaturated carbonyl compounds. *Tetrahedron Lett*.,**27(33)**, 3865-3868.

31. Jean Jacques VE, Patrizia DO, Annie M, Andre M. Novel synthesis of heterocycles with N-(1-haloalkyl)azinium halides.part-2 preparation of N-unsubstituted 1,4-dihydropyridines. *Tetrahedron,* **48(7),** 1263-1268.

32. Ghodsi Mohammadi Ziaransi,[1] Alireza Abbasi,[2] Alireza Badiei,[2] and Zeinab Aslani[1] ,**(2011)** ,An Efficient Synthesis of Tetrahydrobenzo[*b*]pyran Derivatives Using Sulfonic Acid Functionalized Silica as an Efficient Catalyst E-Journal of Chemistry, **8 (1)**, 293-299

33. Reza Teimuri-Mofrad and Fatemeh Abrishami, **(2007)**,,A convenient method for the synthesis of hydroxymethyl andcarboxaldehyde derivatives of 3,5-diphenyl-4*H*-pyran-4-one, *ARKIVOC* **(Xiv)** , 20-26

34. Franc Pozgan, Kristof Kranjc, Vladimir Kepe†, Slovenko Polanc, and Marijan Kočevar, Synthesis of 2*H*-pyran-2-ones and fused pyran-2-ones as useful building blocks, *ARKIVOC,* **(Viii)** ,97-111

35. Singh G S, Pheko T.,**(2008)**, Formation and antimicrobial activity of 2-azetidinones from selective ester cleavage in 1,3,3-trisubstituted 4-[2'-(o-diarylacyl)hydroxyphenyl]-2-azetidinones. *Ind J chem.,* **47B**, 159-162

36. Gurupadayya B M, Gopal M, Padmashali B, Manohara N.,**(2008)**, Synthesis and pharmacological evaluation of azetidin-2-ones and Thiazolidin-4-ones encompassing benzothiazole. *Ind J pharma sci*., **46B**, 572-577.

37. Patel Jigisha A, Mistry B D, Desai K R.,**(2008)**,Conventional and microwave induced synthesis of various azetidinone and thiazolidinone derivatives from 3-[(1E)-1-aza-2-(2-chloro-7-methoxy-3quinolyl)-vinyl]-4-(aryldiazenyl) phenol and their antimicrobial screening . *Ind J Chem*., **47B**, 1695-1700.

38. Bhat Ishwar k, Chaithanya Sunil k, **(2007)**, Sathyanarayana P D, Bhalakrishna kulluraya. The synthesis and antimicrobial study of some azetidinone derivatives with the pare-anisidine moiety. *J Serb Chem Soc*., **72(5)**, 437-442.

39. Aysel G, Taylan I, Nalan T, Gultan O. Synthesis and antimicrobial evaluation of some novel imidazolylmercaptoacetylthiosemicarbazide and 4-Thiazolidinone analogs. Turkish Journal Pharm, Sci. 2005;2(1):1-10.

40. Rokade Yogesh and Dongare Nirmala,**(2010)**,synthesis and antimicrobial activity of some azetidinone derivatives with the β-Naphthol, *Rasayan J. Chem*, **3(4)**, 641-645.

41. Patel K.H., and Mehta A.G., **(2006)**, synthesis and antifungal activity of azetidinone and Thiazolidinones derivatives of 2-amino-6-(2-naphthalenyl) thiazolo [3, 2-d] thiadiazole, *E-Journal of Chemistry*, **3(13)**, 267-273.

42. Neeraj KF,Vijayender S,Mohammad SY,Mohammad A.,**(2009)**, Antimicrobial evaluation of imines and thiazolidinones derived from 3-phenylpropane hydrazide. *Acta Poloniae Pharmaceutica-Drug Research*., **66**, 371-377.

43. Viswajanani J, Ajay S, Smita S, Seema K, Manisha P, Pragya B, Tarun M, Ashok R, Jagmohan K, Anita M.,**(2005)**,Synthesis and antimicrobial activityif novel thiazolidinones. *ARKIVOC*.,(ii), 46-59.

44. Handan A, Oznur A, Seher B, Gulten O, Meltem U, Dilek S., **(2005)**, Synthesis of Mannich bases of some 2,5-disubstituted 4-Thiazolidinones and evaluation of their antimicrobial activities. *Turk Journal Chem*., **29**, 425-435.

45. Mashooq AB,Nadeem S, Suroor AK,Mohamed IM.,**(2009)**,Synthesis of Triazolothiazolidinone derivatives of coumarin with antimicrobial activity. *Acta Poloniae Pharmaceutica -Drug Research*.; **66(6)**, 625-632.

46. Khan SA, Mohd.Imran, Ozair Alam. ,**(2005)**, Synthesis and biological activity of some pyrimidine derivatives. *Ind J Het Chem*., **14**, 293-6.

47. Mishra AR, Mishra RM, Singh DV.,**(2005)**, Synthesis and fungicidal activity of benzofuran incorporated substituted pyrimidines *Ind J Het Chem*., **14**, 319-22.

48. Karale BK, Randhavane PV, Kale SB, Jagdhani SG. ,**(2007)**, Conversion of 3-formyl chromone into biologically important pyrimidines and pyrazoles. *Ind J Het Chem*, **17**, 153-56.

49. Shivkumar B, Sandeep Singh, Yunus Pasha T, Nagendra Rao, Shivkumar H, Udupi RH, Bhatt AR. (**2007),** Synthesis of certain pyrimidines as antimicrobial agents. *Ind J Het Chem*, **17**, 197-98.

50. Ram Vishnu J, Haque Navedul.,**(1995)**,Synthesis of bioisosteric pyrazolo[1,5-a] pyrimidines as leishmanicides. *Ind J Chem.,* **34B**, 514-520.

51. Avasthi K, Chandra T, Bakuni DS. ,**(1995)**, A convenient synthesis of 1/2-vinyl-H/2 H-pyrazolo[3,4-d]pyrimidines -Analogs of 9-vinylpurines. *Ind J Chem*., **34B**, 173-77.

52. Vogels ,**(1991),**Textbook of Practical Organic Chemistry, ELBS edition, **Fifth edition**, *Longman Scientific & Technical*,1150.

53. Trivedi Dipak K.,**(2003),** Ph.D.Thesis,, Synthesis of Some Novel Heterocyclic Compounds and Antimicrobial Activites., *South Gujarat University, Surat*

54. Kumar Ashok, Verma Sonia, Sheety Bhasker, Nikam Laxmikkant B, Mishra R. P. and Singh Jay,**(2006)**, Synthesis and anti-inflammatory, analgesic, uncerogenic and cyclooxygenase-II inhibitory activities of indolyl-pyrazolines and Indolylthiazolidinyl pyrazolines, *Oriental J. of Chem.,* **22(2), :** 259-268.

55. Patel P.S., Shah R. A., Trivedi D. K. & Vyas P. J. **(2010)**Synthesis ,Spectral and Microbial Studies of 3-{4-[2-methyl-4-(4-methoxybenzylidene)-5-oxo-imidazol- 1-yl]phenyl}-2-(substituted phenyl)-1,3-thiazolidin- 4-one, *Organic Chemistry An Indian Journal,* **6(1)**, : 66-69.

56. Patel P.S., Shah R. A., Trivedi D. K. & Vyas P. J.,**(2009)**, Synthesis and Characterization of 1-{4-[2-methyl-4-(4-methoxybenzylidene)-5-oxo-imidazol-1-yl]phenyl}-2-(substitutedphenyl) -3-chloro-4-oxoazetidin and study of their antimicrobial activities, Asian *Journal of Chemical and Environment Research* ,**2(3-4), :** 25-28.